

Work Order ID 127348

127348

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December-17-14 1:14:35 PM

Item ID: D3824-3KGY Accept ***N9000040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Hat Bin-Grey
 Start Date: 12/12/14 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 12/17/14 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: MLS Date: 14-12-18 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3824	Rev C								
100		0.00							DAS 07 9-89
100									
HandThermo	Memo	0.00							
Hand Finishing Thermoforming	1-Cut Sheet to required Blank size								15/01/20
105		0.00							DAC 07 9-89
105	Dry Material								
HandThermo	Memo	0.00							
Hand Finishing Thermoforming	Dry Sheet as per QSI022 KYDEX								15/01/20
	Temp: _____								
	Time IN: _____								
	Time OUT: _____								

12-19 deg. F
 5:00 PM JAN 19 2015
 6:00 AM
 Per.....

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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 Revision ID: Stop ***NS2***
 Item Name: Hat Bin-Grey
 Start Date: 12/12/14 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 12/17/14 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC5- Inspect part completeness to step on W/O	0.00							DAS 38 9-89
160									
QC	Memo	0.00							
Quality Control									JAN 26 2015
170	Identify as per dwg & Stock Location: <i>127348</i>	0.00							
170									
Packaging	Memo	0.00							
Packaging									DAS 06 9-89
180	QC21- Final Inspection - Work Order Release	0.00							
180									
QC	Memo	0.00							
Quality Control									15/1/28 <i>[Signature]</i>

[Signature] 15-1-27

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

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Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 1

Work Order ID: 127348

127348

Parent Item: D3824-3KGY

D3824-3KGY

Parent Item Name: Hat Bin-Grey

Start Date: 12/12/14

Required Date: 12/17/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP RevA: New issue DD verified by:EC
Add Step 105 Dry Material 10/04/21 DL

Ipp Rev. B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MKYD6185S.125-P3- 52068		Purchased	No			100	sf	1,993.500	11.41	12			DAS 07 9-69

MKYD6185S 125-P3-52068

Kydex steel grey (52"x96"-125)

Location

Loc Qty

Loc Code

LAIRD

1351.5

m129549

866.5

m130381

485

therm

1127

111807

367

111875

413

m127760

347

15/01/20

12 58 41

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

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Material									
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Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear	General		
☐ Bending	☐ Bend	☐ Folio/Program	☐ Outside Dimensions
☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance
☐ Cracks	☐ Broken/Damage/Defect	☐ Hardware	☐ Part Incorrect
☐ Crimp/Kink/Ripple/Wave	☐ Burrs	☐ Inspection Incomplete/Unqualified	☐ Part Lost/Missing
☐ Cuffs	☐ Contamination	☐ Instructions Incomplete/Unclear	☐ Part Moved
☐ Crushing	☐ Countersink	☐ Misaligned/off center	☐ Positioned Wrong
☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Power Loss/Surge
☐ Inspection Strip in Tube	☐ Drawing	☐ Misread	☐ Pressure/Forced
☐ Marks/Chatter	☐ Drill Holes	☐ Off-set	☐ Set-up
☐ Turning Sequence	☐ Finish	☐ Out of Calibration	☐ Temperature/Cure
☐ Wave/Twist in Tube	☐ Fit/Function	☐ Out of Sequence	☐ Weld
			☐ Wrong Stock Pulled
			☐ Other

DART AEROSPACE LTD		Work Order: 127348
Description: Hat Bin		Part Number: D3824-3KIV/KGY
Inspection Dwg: D3824	Rev: C	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than <u>N/A</u> "				
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

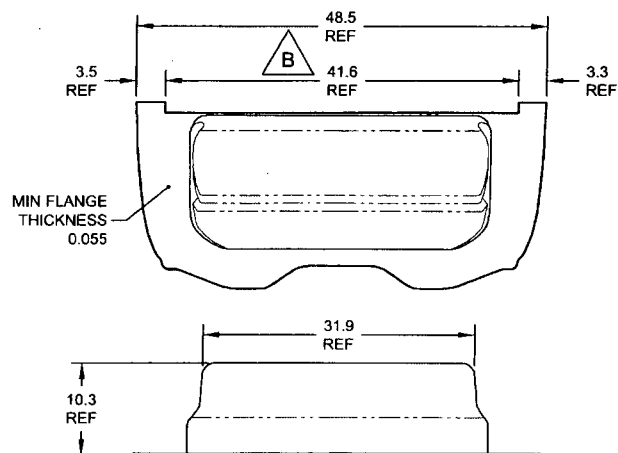
Measured by:	DAS 07 9-89	Date: 15/01/20
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TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.43	+0.05/-0.00	0.45"	✓			
48.5	Ref	48.38"	✓			
34.1	Ref	34.0"	✓			
41.6	Ref	41.5"	✓			
3.5	Ref	3.5"	✓			
0.055	Min	1.05"	✓			
0.030"	Min	0.040"	✓			

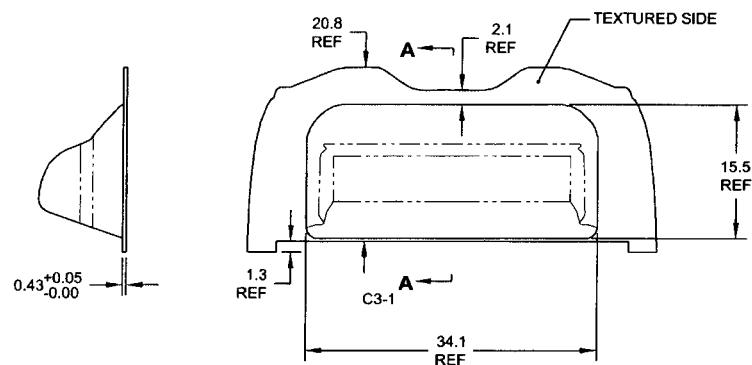
Measured by:	DAS 07 9-89	Date: 15/01/20
Audited by:	DAS 38 9-89	Date: JAN 26 2015
Prototype Approval:	N/A	Date: N/A

Rev	Date	Change	Revised by	Approved
A	09.06.26	New Issue	KJ	



SECTION A-A
SCALE 2X

SHEET
RATED
ENGINEER
UNCONTROLLED
SUBJECT TO
WITHOUT
WORK
NO. 127348
MLJ
1412-18



D3824-1 HAT BIN
(BELL 206 A/B)

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N (SEE TABLE) USING VIBRATING STYLUS
- 7) WEIGHT: 5.6 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9405 PER DART QSI 022. TRIM PER MOLD

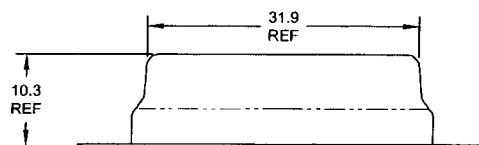
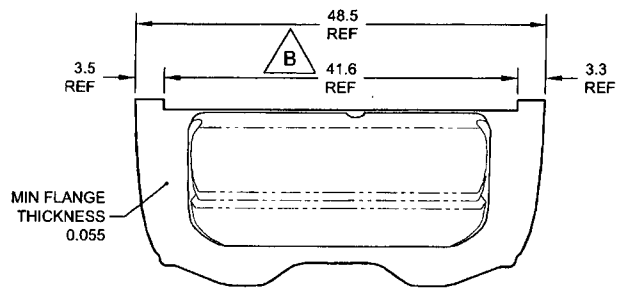
PART NUMBER	DESCRIPTION
D3824-1KIV	KYDEX 6185, 0.125 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D3824-1KGY	KYDEX 6185, 0.125 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

REV.	DESCRIPTION	BY	DATE
C	ADD STEEL GRAY COLOUR OPTION, ADD IVORY P/N'S D3824-1KIV, D3824-3KIV AND ADD STEEL GRAY P/N'S D3824-1KGY, D3824-3KGY (ZN A5-1, A5-2)	PH	09.05.05
B	0.125 THICK WAS 0.080 (ZN A7-1, A7-2) REASON: TO IMPROVE DURABILITY; MODIFY WIDTH TO ALLOW FOR BETTER FIT WITH A/C (ZN D6-1, D6-2)	PH	09.02.19
A	NEW ISSUE	PH	08.10.01
DESIGN	DESIGN	BY	DATE
DRAWN	DRAWN	BY	DATE
CHECKED	CHECKED	BY	DATE
MFG. APPR.	MFG. APPR.	BY	DATE
APPROVED	APPROVED	BY	DATE
DE APPR.	DE APPR.	BY	DATE
DATE	09.05.05		

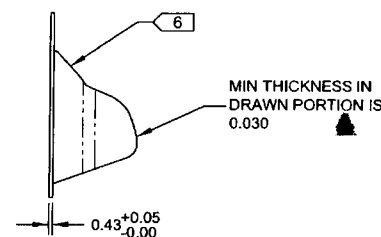
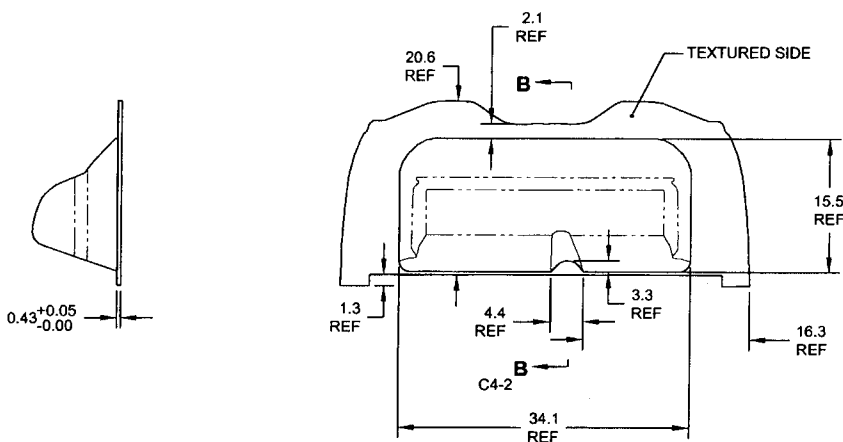
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3824
REV. C
SHEET 1 OF 2
TITLE HAT BIN (BELL 206 A/B)
SCALE NTS

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SECTION B-B
SCALE 2X



D3824-3 HAT BIN
(BELL 206 A/B, LITTER KIT COMPATIBLE)

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N (SEE TABLE) USING VIBRATING STYLUS
- 7) WEIGHT: 5.6 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9448 PER DART QSI 022. TRIM PER MOLD



PART NUMBER	DESCRIPTION
D3824-3KIV	KYDEX 6185, 0.125 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D3824-3KGY	KYDEX 6185, 0.125 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

DESIGN	PA	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	PA		
CHECKED	PA	DRAWING NO. D3824	REV. C SHEET 2 OF 2
MFG. APPR.	PA	TITLE	SCALE
APPROVED	PA	HAT BIN (BELL 206 A/B)	NTS
DE APPR.	PA	DATE 09.05.05	

RELEASED
09/05/12

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